

### ABSTRACT

Certain novel formulations of turf additives that act in such a manner as to permit proper amounts of moisture to contact root systems in order to reduce dry spots within highly managed turf areas and/or lawns. It is theorized that the accumulation of humic acid (and other natural byproduct deleterious compounds) at the topsoil surface in most cultivated grassy areas including sandy soils (such as, in particular, golf greens, pastures, lawns, and the like), as well as other non-grassy sandy areas in which such humic acid accumulation poses water repellency problems (such as beaches), results in the production of an effective organic waxy coating on the soil and/or sand components. Such a coating is hydrophobic in nature and thus dries out the soil itself. The inventive formulation thus permits removal of such accumulated humic acid (and other compounds) from the topsoil to the level necessary to provide effective moisture penetration for sustained grass growth therein (hereinafter referred to as "redistributes"). Methods of providing such beneficial removal of humic substances from target sandy soils are also contemplated within this invention, as well as specific test hydrophobic sand formulations.